

# *DOE/Utility D&D Consortium Status Report*

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# History

- **June 1997 DOE Commitment to Work Jointly with Commercial Nuclear Industry on D&D Development and Demonstration**
- **Memorandum of Understanding Signed at X-Change 97  
December 1997**
- **Kickoff Meeting - DOE/Utility D&D Consortium - Jan 98**
- **Consortium Charter Development/WPI - March 98**
- **Consortium Roadmapping Exercise/FIU - April 98**
- **Membership expanded for SMUD and PGE - Feb 99**

# Memorandum of Understanding

- Provides a framework to identify appropriate areas for the joint research, development and demonstration of decontamination and decommissioning technologies for DOE and the utility industry.
  - Unique since DOE is working directly with the nuclear utility industry to develop solutions to address common problems.
  - Leverages D&D RD&D monies for all parties
  - Potential reduction in D&D costs for DOE and Utilities
- \*Taxpayer & Ratepayer Benefits\***

# Memorandum of Understanding

## Utility & Technical Membership

- **Commonwealth Edison (ComEd)**
- **Duke Engineering & Services (Duke Energy)**
- **Consumers' Power Company**
- **Yankee Atomic Electric**
- **General Public Utilities**
- **Electric Power Research Institute (EPRI)**
- **Argonne National Laboratory**
- **Florida International University (HCET)**
- **Sacramento Municipal Utility District (Rancho Seco)**
- **Portland General Electric (Trojan)**
- ***Southern California Edison (San Onofre)***

# DOE/Utility D&D Consortium

## ■ Goals

- Share Technology Information
- Identify Common Technological Challenges
- Find Solutions to the Technological Challenges through joint development, demonstrations, and deployments

# DOE/D&D Consortium Accomplishments

## ■ Exchanging Information

- Assisting EPRI on 1999 Technology Workshops
  - Providing technical experts from DOE's Large Scale Demonstration Projects to discuss experiences from some of the most promising technologies.
  - Developing topics for 2000 Technology Workshops
- Consortium leader acts as *Point of Contact* for industry's inquiries on DOE's D&D technologies
  - Distribution of "green books" to industry
  - Providing technical & cost summaries of technologies evaluated/tested by DOE.

## DOE/D&D Consortium Accomplishments (Cont.)

### ■ Identifying Common Technological Challenges

- Completed Roadmapping Exercise (May 1998) with all Consortium membership (Motorola format)
  - Technology Areas Identified & Prioritized
  - Responsible Groups Identified/Assigned
  - Time Frame for Solutions Determined

# Utility Participation at DOE's Mid-Year Review

- **EPRI**
- **Consumers Energy/Big Rock Point**
- **General Public Utilities/Saxton**
- **Duke Engr & Services/Yankee Atomic**
- **SMUD/Rancho Seco**



## DOE/D&D Consortium Accomplishments (Cont.)

### ■ Finding Solutions to Technological Challenges

- DOE willing to focus/redirect ongoing D&D work to address utility issues
  - Florida International University
  - Large Scale Demonstration Projects
  - Industry Program Solicitations
- Ongoing discussions with utilities for joint technology development/demonstration

# D&D Technology Development

## (Collaboration Examples)

- **Pipe Decontamination & Characterization Demo at Consumers Energy - Big Rock Point**
- **GPU/Saxton Plant** (*Marcris concrete shaver*)
- **Facilitating the demonstration of a novel wire stripper technology for testing at a U.S. site**
- **SMUD's Rancho Seco interest in new D&D technologies and low level waste disposal**